

AGGREGATE

GENERAL

This evaluation procedure outlines the Department's approval process for aggregate producers.

SPECIFICATIONS

TDOT Standard Specifications Section 903

AASHTO T 11
AASHTO T 19
AASHTO T 27
AASHTO T 85
AASHTO T 88
AASHTO T 96
AASHTO T 104
AASHTO T 161
AASHTO T 176
AASHTO T 244
AASHTO T 267
AASHTO T 278
AASHTO T 279
AASHTO M 17
AASHTO M 43
AASHTO M 45
AASHTO M 80
AASHTO M 195
ASTM D 692
ASTM D 1073
ASTM D 5821

PROCEDURES

Aggregates must exhibit certain physical and chemical properties that reflect their ultimate quality and durability. The TDOT Standard Specifications for Road and Bridge Construction dated January 1, 2015, have several aggregate properties specified, including abrasion resistance, freeze-thaw durability, gradation, particle shape, deleterious materials, and others. Aggregates used for bituminous or concrete riding surfaces must demonstrate additional properties that would indicate the aggregates ability to satisfactorily provide a skid-resistant pavement. These properties may include silica dioxide content, insoluble residue content, calcium carbonate content, and British Pendulum Numbers. All submittals must be submitted to the Division of Materials and Tests at the contact listed below.

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For additional guidance, please refer to TDOT Standard Operating Procedure (SOP) 2-1.